

### **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listing of claims in the application:

#### **Listing of Claims:**

1. (Currently Amended) A method, comprising:  
determining possible aliased locations in a plurality of memory blocks;  
changing a size of the memory blocks to a new size to accommodate data and an offset;  
determining a number of possible aliasing locations based on the new size;  
determining the offset based on the new number of possible aliasing locations; and  
offsetting a location of the data in at least one of ~~a~~the plurality of memory blocks to avoid aliasing conflicts.
2. (Original) The method of claim 1, further comprising:  
determining a uniform size for the memory blocks, the size being large enough to accommodate the data and the offset.
3. (Original) The method of claim 1, wherein the memory blocks are buffers.
4. (Original) The method of claim 3, wherein the buffer is a ring buffer.
5. (Original) The method of claim 3, wherein the buffer is a linear buffer.
6. (Original) The method of claim 1, further comprising dividing a memory into the plurality of memory blocks such that the memory blocks are of equal size.
7. (Canceled)
8. (Currently Amended) The method of claim ~~7~~1, further comprising adding the offset to a pointer for respective memory blocks.

9. (Currently Amended) A method, comprising:
- a) determining possible aliased locations in a memory comprising of a number of buffers;
  - b) increasing a count when a buffer that is a possible aliased location is found; and
  - c) storing data in the buffers at a location that is offset within the buffer based on the count and a number of bytes selected for offset.
10. (Original) The method of claim 9, wherein the offset is a product of the count and the number of bytes.
11. (Original) The method of claim 9, further comprising repeating a)-c).
12. (Original) The method of claim 9, further comprising dividing the memory into a number of buffers of equal size.
13. (Original) A method, comprising:
- computing a number of aliased address locations in a memory including a number of memory blocks;
  - allocating extra memory to the memory blocks based on the number of aliased address locations to obtain a new size for the memory blocks;
  - computing a second number of aliased address locations based on the new size for the memory blocks; and
  - computing an offset for data within the memory blocks based on the second number of aliased address locations.
14. (Original) The method of claim 13, further comprising adding the offset to a pointer for data within the memory blocks.

15. (Original) The method of claim 13, further comprising computing the number of aliased address locations based on at least one of a number of memory blocks, an intended size for the memory blocks, and an aliasing range.

16. (Original) The method of claim 13, further comprising allocating extra memory to the memory blocks based on at least one of the number of aliased address locations, a line size, and a line offset.

17. (Currently Amended) A machine accessible medium that provides instructions, which when executed by a computing platform, cause said computing platform to perform operations comprising a method of:

determining a physical address based on a linear address;

determining a possible aliased address for the physical address;

computing a number of aliased addresses based on at least one of a number of memory blocks, an intended size for the memory blocks in the memory, and an aliasing range

allocating additional memory to the memory blocks to obtain a new size for the memory blocks;

computing a second number of aliased address locations based on the new size for the memory blocks;

computing an offset for the memory blocks based on the second number of aliased address locations;

modifying the aliased address; and

accessing memory based on the modified aliased address.

18. (Canceled)

19. (Canceled)

20. (Original) The machine accessible medium of claim 19, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of adding the offset to pointer for the memory blocks.

21. (Currently Amended) A machine accessible medium that provides instructions, which when executed by a computing platform, cause said computing platform to perform operations comprising a method of:

increasing a count when a memory location that is a possible alias is found; and

storing data at memory locations within a plurality of uniformly sized memory blocks at a location that is offset based on ~~an offset~~

the count and a number of bytes selected for the offset.

22. (Original) The machine accessible medium of claim 21, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of:

receiving an original address;

determining possible aliases for the original address;

determining the offset for the possible aliases; and

modifying a pointer to the memory locations of the aliases based on the respective offset.

23. (Canceled)

24. (Currently Amended) The machine accessible medium of claim-~~23~~ 21, further comprising instructions, which when executed by a computing platform, cause said computing platform to perform further operations of  
computing the offset as a product of the count and the number of bytes.

Claims 25-27 (Canceled)